

Volk, Everett

From: Laidlaw, Tina
Sent: Wednesday, January 08, 2014 12:45 PM
To: 'Kron, Darrin'
Subject: RE: Updated data matrix for Hyalite Creek below Reservoir.

Darrin,

This looks good. So, not remembering the rest of the data matrix off the top, the nutrient concentrations meet the criteria and only the 2004 chl-a value exceeded. Right?

Tina

From: Kron, Darrin [<mailto:dkron@mt.gov>]
Sent: Thursday, January 02, 2014 7:44 PM
To: Laidlaw, Tina
Subject: Updated data matrix for Hyalite Creek below Reservoir.

Berscheid, Jolene (2006), STORET/Storease Data Archive [Electronic Resource] - One benthic algae sample was collected in 2004 using the "6-rock" method. This sample result value was not included in this nutrient assessment. The "6-rock" method is considered an estimate and is considered less representative of current condition than samples collected using current DEQ sampling protocols for benthic algae. Since the minimum sample size requirements for benthic algae was met using only data collected using approved sampling protocols, this sample was excluded from the analysis. Additional information about this sample result value can be found in the TMDL document (ref. # 14302).

Biological Comments - ALGAE: Benthic algae samples were collected using DEQ sampling protocols during the index period when nutrient criteria apply for the Middle Rockies Level III Ecoregions (July 1 - Sept 30). Two samples were collected and analyzed for chlorophyll a and one visual estimate of benthic algal growth and chlorophyll a concentrations were made; all were evaluated against the related assessment information threshold for benthic algal chlorophyll-a and ash-free dry mass in the Middle Rockies of 125 mg/m² and 35 g/m², respectively. All three values (range = 0.383 -

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